



Land Subsidence Rate in the McMullen Valley, La Paz and Maricopa Counties
Based on ALOS-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
Time Period of Analysis: 1.1 Years 03/14/2015 To 05/07/2016

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Explanation

03/14/2015 To 05/07/2016

Land Subsidence Rate

Decorrelation/No Data
Greater 7 cm/yr (2.8 in/yr)
5 - 7 cm/yr (2.0 - 2.8 in/yr)
3 - 5 cm/yr (1.2 - 2.0 in/yr)
2 - 3 cm/yr (0.8 - 1.2 in/yr)
1 - 2 cm/yr (0.4 - 0.8 in/yr)
0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
0 - 0.5 cm/yr (0 - 0.2 in/yr)

Subsidence Feature

Earth Fissures

Hardrock

Highways and Interstates

Interstate

US

State

Roads

Railway



1:300,000

0 1.5 3 6 9 12 Miles

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey.
For information on earth fissures visit: www.azgs.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983

Units: Meter
Created: 12/11/2017

